	Application No.	Applicant(s)	
	09/905,199	HACHIYA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Paulos M. Natnael	2614	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in 5) or other appropriate commu RIGHTS. This application is s	this application. If not included inication will be mailed in due could	rse. THIS
1. \boxtimes This communication is responsive to <u>RCE and IDS received</u>	ved 2 July 2004, respectively,	and IDS received 8 June 2004	
2. The allowed claim(s) is/are <u>1-3</u> .			
3. 🖂 The drawings filed on 16 July 2001 and 29 February 200	4 are accepted by the Examin	er.	
 4. ☐ Acknowledgment is made of a claim for foreign priority of a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	ve been received. ve been received in Applicatio	n No	from the
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the require	ements
5. A SUBSTITUTE OATH OR DECLARATION must be sub- INFORMAL PATENT APPLICATION (PTO-152) which gi			CE OF
 CORRECTED DRAWINGS (as "replacement sheets") metalong including changes required by the Notice of Draftspeen (b) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examine Paper No./Mail Date (see 37 CFR) ldentifying indicia such as the application number (see 37 CFR) each sheet. Replacement sheet(s) should be labeled as such in 	rson's Patent Drawing Review r's Amendment / Comment or 1.84(c)) should be written on the	in the Office action of ne drawings in the front (not the bac	ck) of
7. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMENT			the
Attachment(s)		i.	
1. Notice of References Cited (PTO-892)		formal Patent Application (PTO-15	52)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		ımmary (PTO-413), Mail Date	
3. Information Disclosure Statements (PTO-1449 or PTO/SB Paper No./Mail Date	/08), 7. ☐ Examiner's	Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit		Statement of Reasons for Allowar	nce
of Biological Material	9. 🗌 Other	· /	
		EMICHAEL H. LEE PRIMARY EXAMINE) FR

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-13 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: the prior art fails to disclose a clipping circuit comprising a clipper for clipping a target signal, a subtractor, a minimum value setter and maximum value setter, wherein, when the data value of the target signal fed to the clipper falls within the range of data values set for the target signal by the maximum value and minimum value setters, the target signal is output intact, when the data value of the target signal fed to the clipper is smaller than the minimum value, the target signal is output after being clipped at the minimum value, and, when the data value of the target signal fed to the clipper is greater than the maximum value, the target signal is output after being clipped at the maximum value, as in claims 1 and 2;

a range setting circuit for comparing, for each of image signals obtained from individual pixels, a data value of a target image signal obtained from a pixel targeted by the edge enhancement with each of data values of two adjacent image signals obtained from pixels adjacent to the targeted pixel to set a range of data values in which the data value of the target image signal is allowed to vary by setting as a maximum value the data value of one of the two adjacent image signals whose data value is greater than the data value of the target image signal and setting as a minimum value the data value of one of the two adjacent image signals whose data value is smaller than the data value of the target image signal, as in claims 3 and 7;

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paulos M. Natnael whose telephone number is (703) 305-0019. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on (703) 305-4795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

October 19, 2004

MICHAEL A. LEE PRIMARY EXAMINER